OIPE IAP25 DEC 19 2004 PATENT & TRADEMARK OFFICE

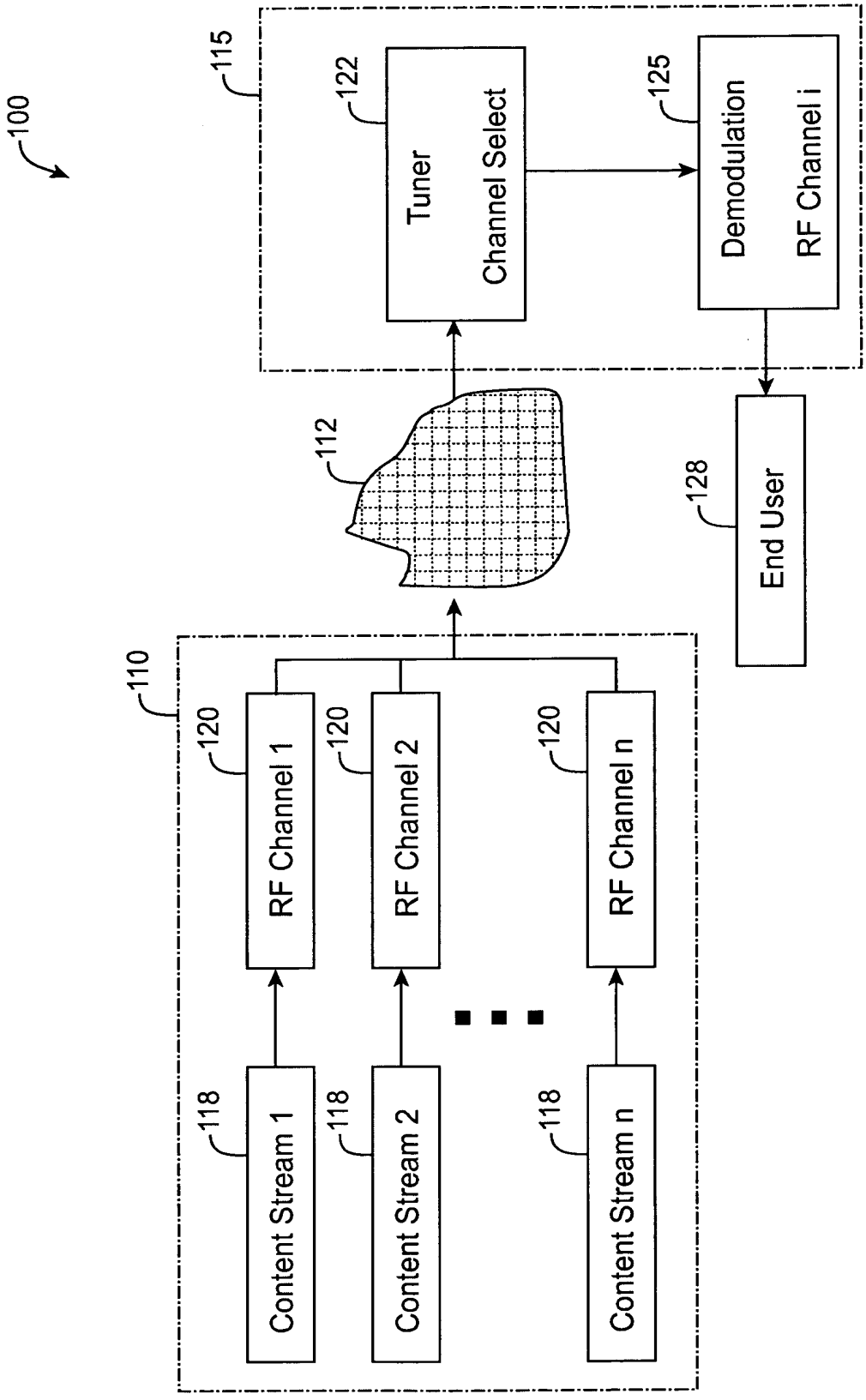

FIG. 1
(PRIOR ART)

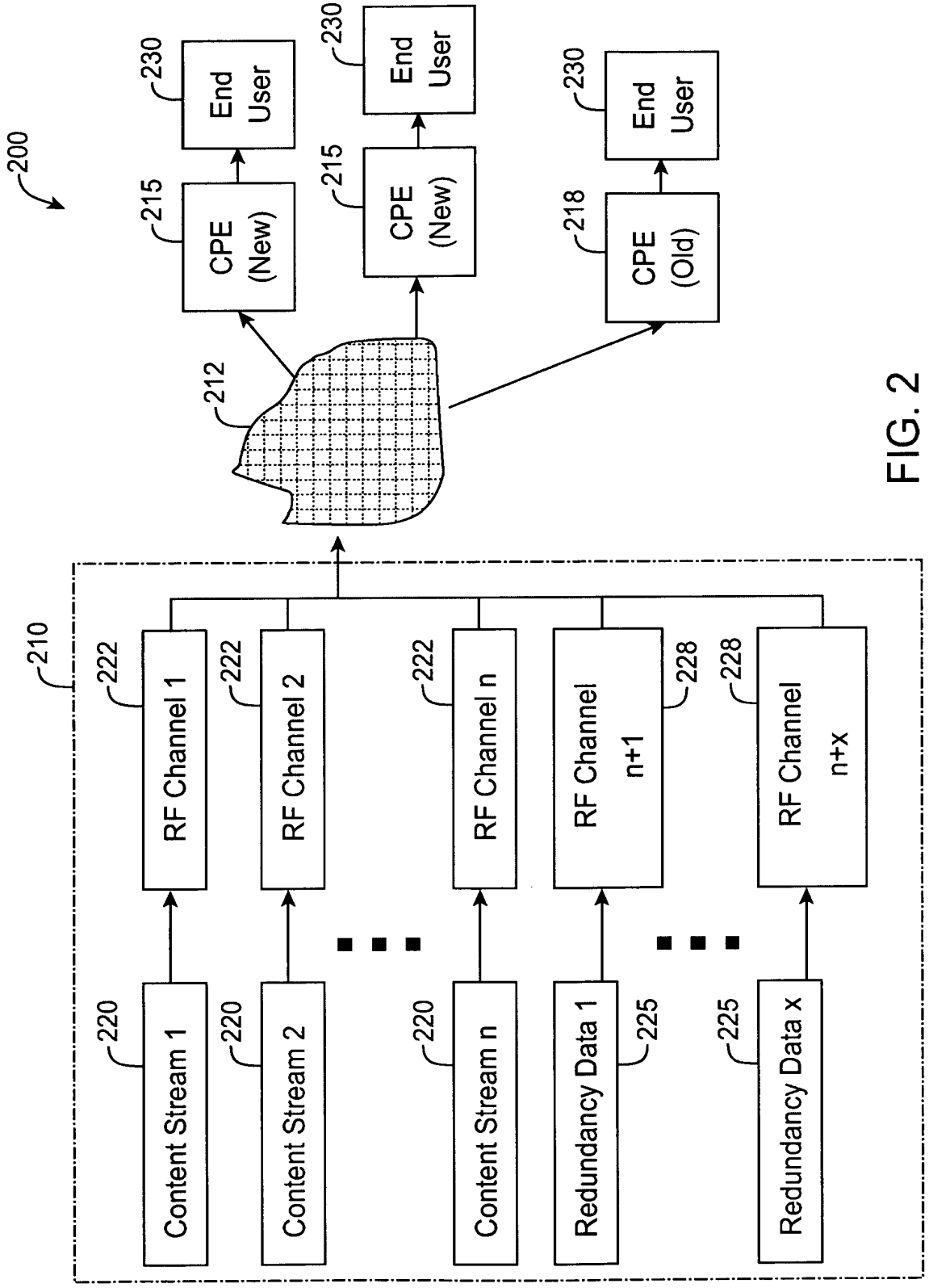
200
210
212
End User
230
CPE (New)
215
CPE (Old)
218
RF Channel 1
RF Channel 2
RF Channel n
RF Channel n+1
RF Channel n+x
222
228
Content Stream 1
Content Stream 2
Content Stream n
Redundancy Data 1
Redundancy Data x
220
225

FIG. 2

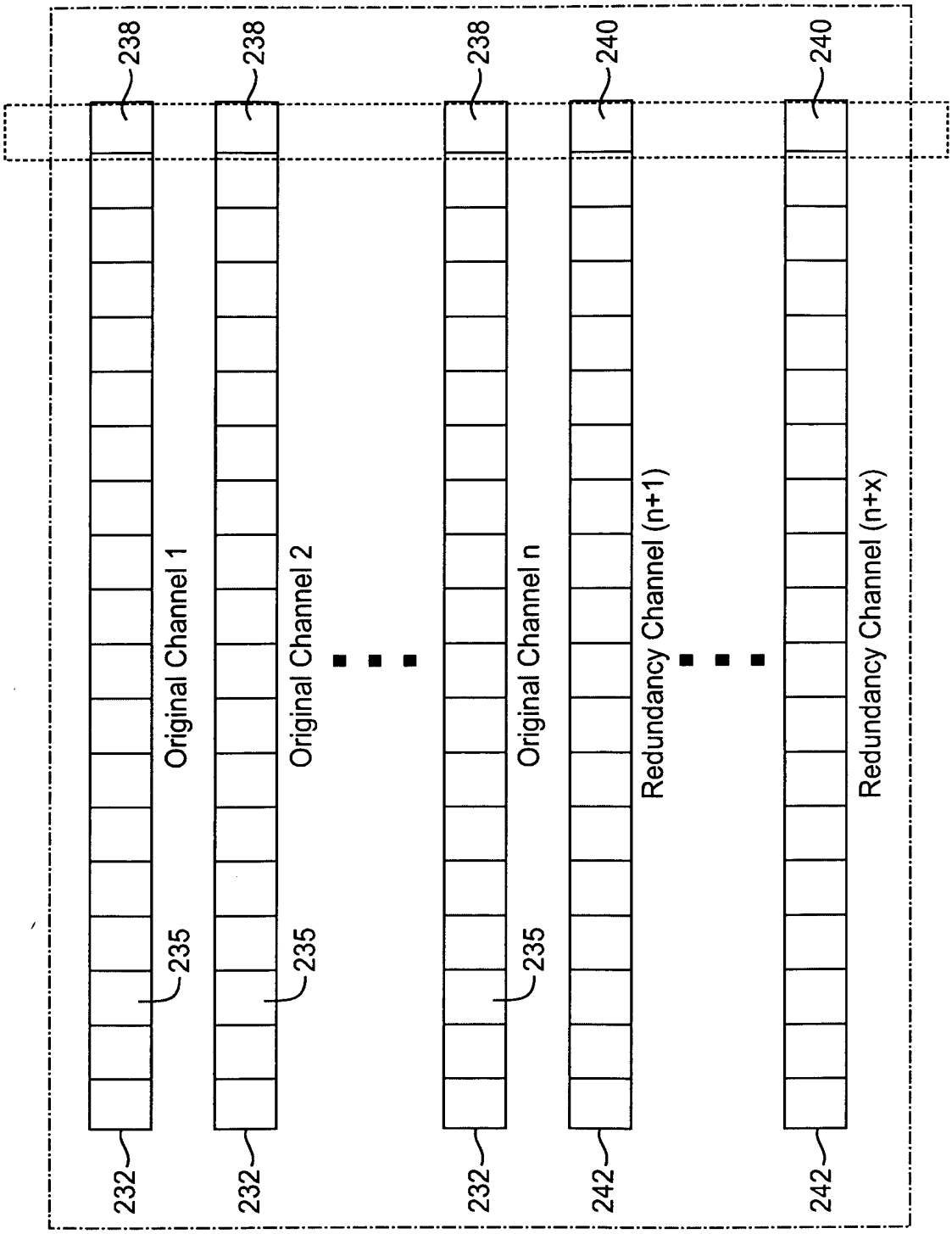
238
238
238
240
240
Original Channel 1
Original Channel 2
Original Channel n
Redundancy Channel (n+1)
Redundancy Channel (n+x)
235
235
235
232
232
232
242
242

FIG. 3

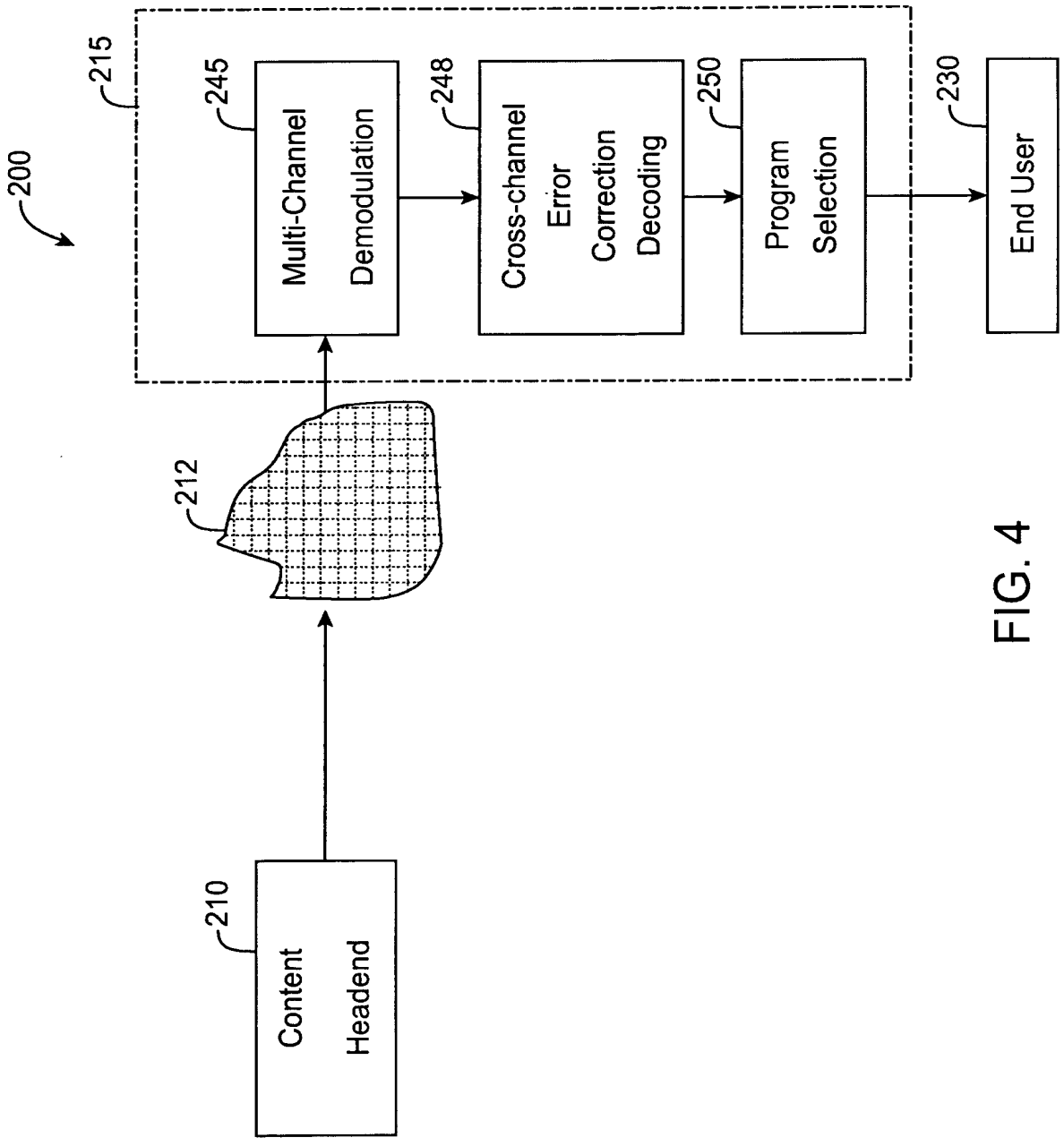
200
215
245
Multi-Channel Demodulation
248
Cross-channel Error Correction Decoding
250
Program Selection
230
End User
212
210
Content Headend

FIG. 4

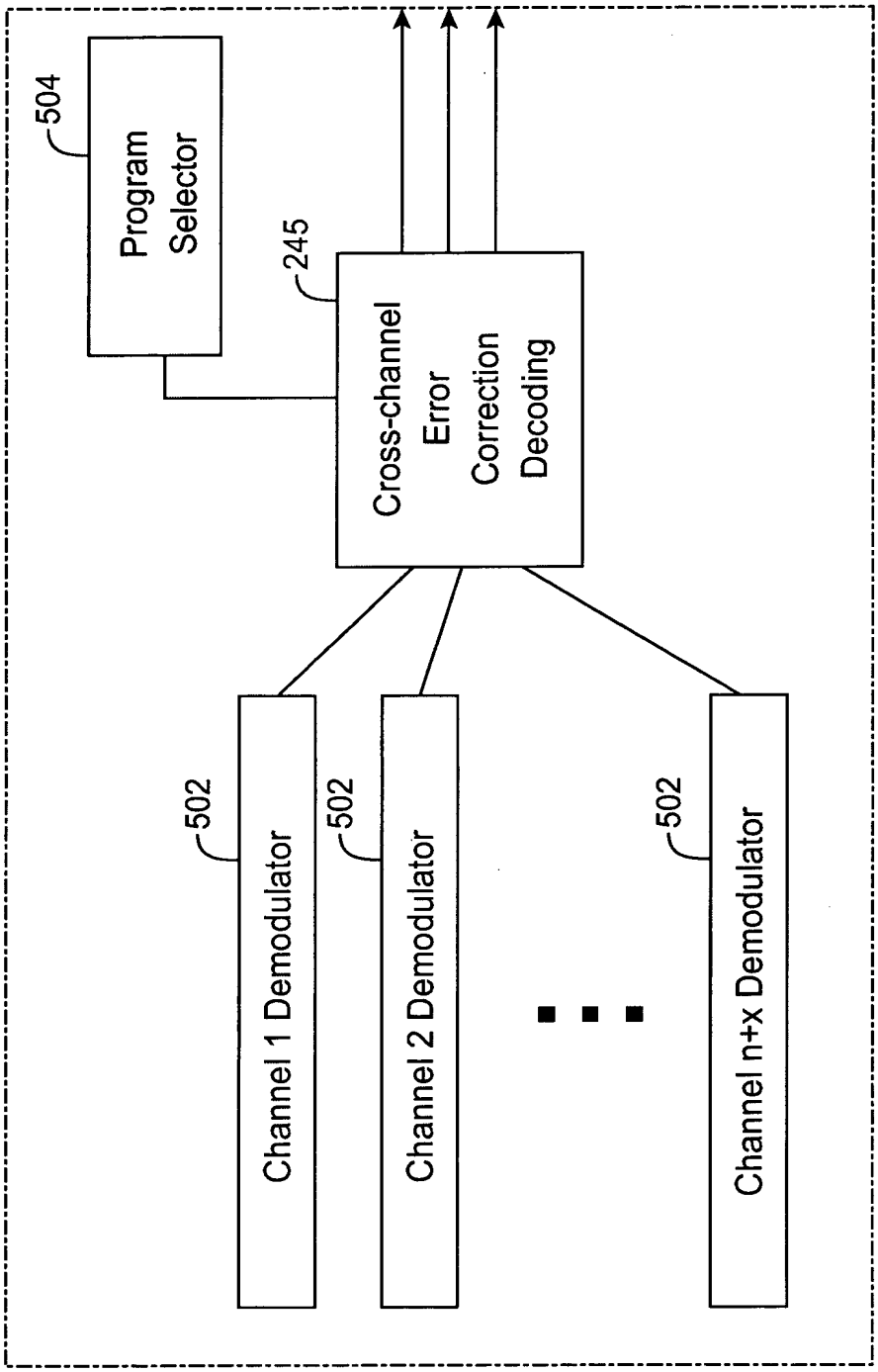
504
Program Selector
245
Cross-channel Error Correction Decoding
502
Channel 1 Demodulator
502
Channel 2 Demodulator
502
Channel n+x Demodulator

FIG. 5

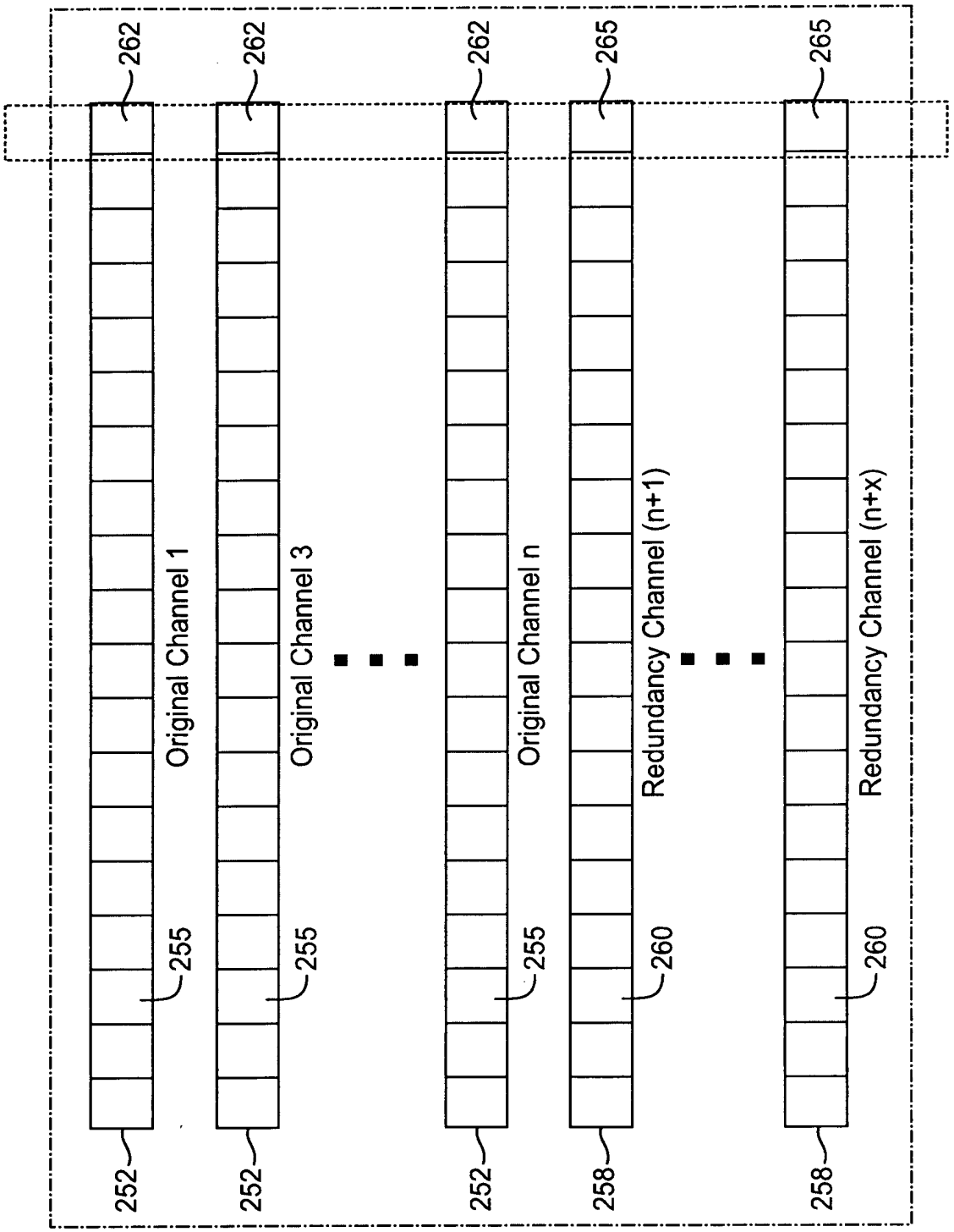
262
262
262
265
265
Original Channel 1
Original Channel 3
Original Channel n
Redundancy Channel (n+1)
Redundancy Channel (n+x)
255
255
255
260
260
252
252
252
258
258

FIG. 6